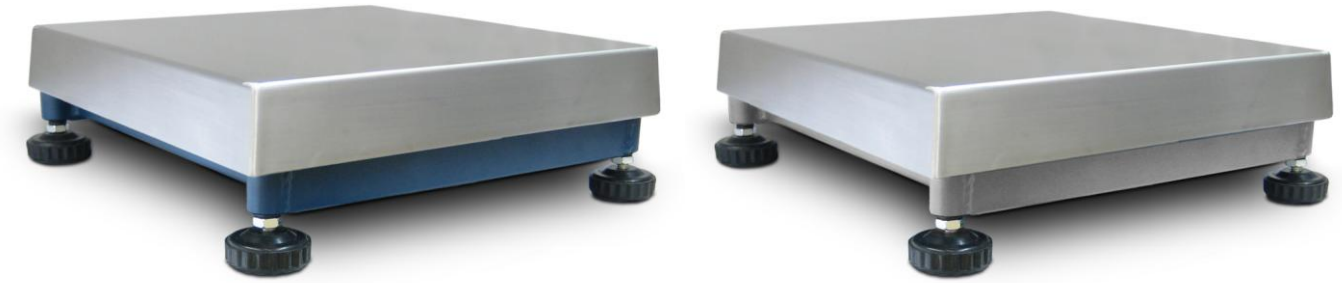
ELECTRONIC PLATFORMS



PB

PBI

Installation and operating manual

PB_13.02_EN_DE_FR _IT

ENGLISH

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IMPORTANT WARNINGS

Put the platform in a place in which the following conditions are respected:

-Flat, level, stable support surface
- Stable and absent of vibrations,
-Absence of dust or aggressive vapours,
- Absence of air currents,
- Moderate temperature and humidity (not exposed to direct sunlight or near heat sources).

Make sure to level the platform by adjusting the feel (see INSTALLATION instructions).

Do not weld, perforate or modify the structure without consulting the reseller. If it is damaged or tampered with the warranty conditions will be annulled.

If the place of use is a humid or wet environment, the installation **must** be carried out in such a way so that water stagnation and/or scraps under the structure are **avoided.**

The platform **must** be connected to a weigh indicator. Refer to weigh indicator owner's manual for connection instruction **(Make sure that the connections are correct).**
Do not step, crush or expose to sunlight the connecting screen cable.

YOU NEED TO GROUND the metallic structure of the platform, especially if you need to weigh materials that, while handled, can cause **electrical discharges** (dust, plastic materials, etc.). If there are any doubts, consult the reseller.

DO NOT INSTALL IN HAZARDOUS ENVIRONMENTS.
(unless specifically made for this use)

Do not **use solvents when cleaning.**

1. INTRODUCTION

All **PB** series weighing modules are built with high quality materials and are calibrated in such a way, which guarantees full reliability and weighing accuracy that lasts in time. The measuring elements are load cells, produced in conformance to the OIML R60 standards.

The **PB** platforms have load cells connected to the indicator with a shielded cable, 3 meters of length.

Every **PB** series weighing module is built and engineered to guarantee a uniform detection of the load on the load cell weighing modules, even in adverse environment conditions.

The electronic weighing platform **PB** series, are suitable for creating weighing systems or small and medium, capacity, piece counter. The weigh capacity goes from 6 kg to 600 kg.

1.1 TECHNICAL SPECIFICATIONS

- Blue, oven-fired painted steel tubular structure.
- Stainless steel load surface.
- Equipped with one, OFF-CENTER, aluminium load cell with dust and humidity protection IP65.
- Shielded cable, 3 meters of length.

SPECIFICATION

Load cell	off-center, direct load
Power supply	15 Vdc Max
Nominal output (max. load)	2 mV/V
Input resistance	350ohm
Combined error	0,02 % R.O.
Operating temperature range	-10 / + 40 °C

ACCESSORIES

Floor-mounted indicator column.

2. INSTALLATION

NOTE: The weighing module must be connected to its appropriate weight indicator with the cable coming from the load cell. The indicator, connected to the platform, can not be calibrated if not powered.
It is the customer's responsibility to prepare and calibrate the indicator.
For any further detail, refer to the technical and operational manual, supplied with the indicator.

A) Unpack then product.

B) Remove the locking catch for the transportation (see section 5.3).

C) Level the platform by adjusting the adjustable feet. The stability of the platform is very important. **ALL THE CORNERS MUST REST IN A UNIFORM WAY**. Carefully check that all feet fully rest on the ground and that the platform, loaded on the corner, is not unstable (if a corner is not resting on the ground its relative foot is easier to turn).

D) Connect the shielded cable from the load cell to the weigh indicator (refer to the indicator manual). The cable must be free, so that the resistances are not energised, which could alter the measurement.

E) You need to ground the metallic structure of the platform, especially if you need to weigh materials that, while handled, can cause **electrical discharges** (dust, plastic materials, etc.). If there are any doubts, consult the reseller.

F) Perform the indicator calibration and setup as shown by the manual

G) MAKE SURE TO FOLLOW THE WARNINGS AT PAGE 4.

2.1 INSTALLING THE CSP38I COLUMN (FIG.1)

1. Lock column (2) to base (7) with the two fitted screws (10 and 3).
2. Screw nut on feet (8).
3. Screw the four feet (8) to the base (7).
4. Make the connecting cable, coming from the scale, run inside column (2) until you get it out from hole.
5. Connect the cable to the terminal board referring to the indicator technical-user manual.
6. Lock column (2) to the support for the indicator (9 and 5) with the two fitted screws (11 and 5).
7. Set the weigh indicator (6) to the support (9) with screws (4). Make sure the cable, connecting the scale, is stretched.
8. Set the column CSP perpendicular to the floor, by adjusting feet (8).
9. Thigh nut on feet (8).

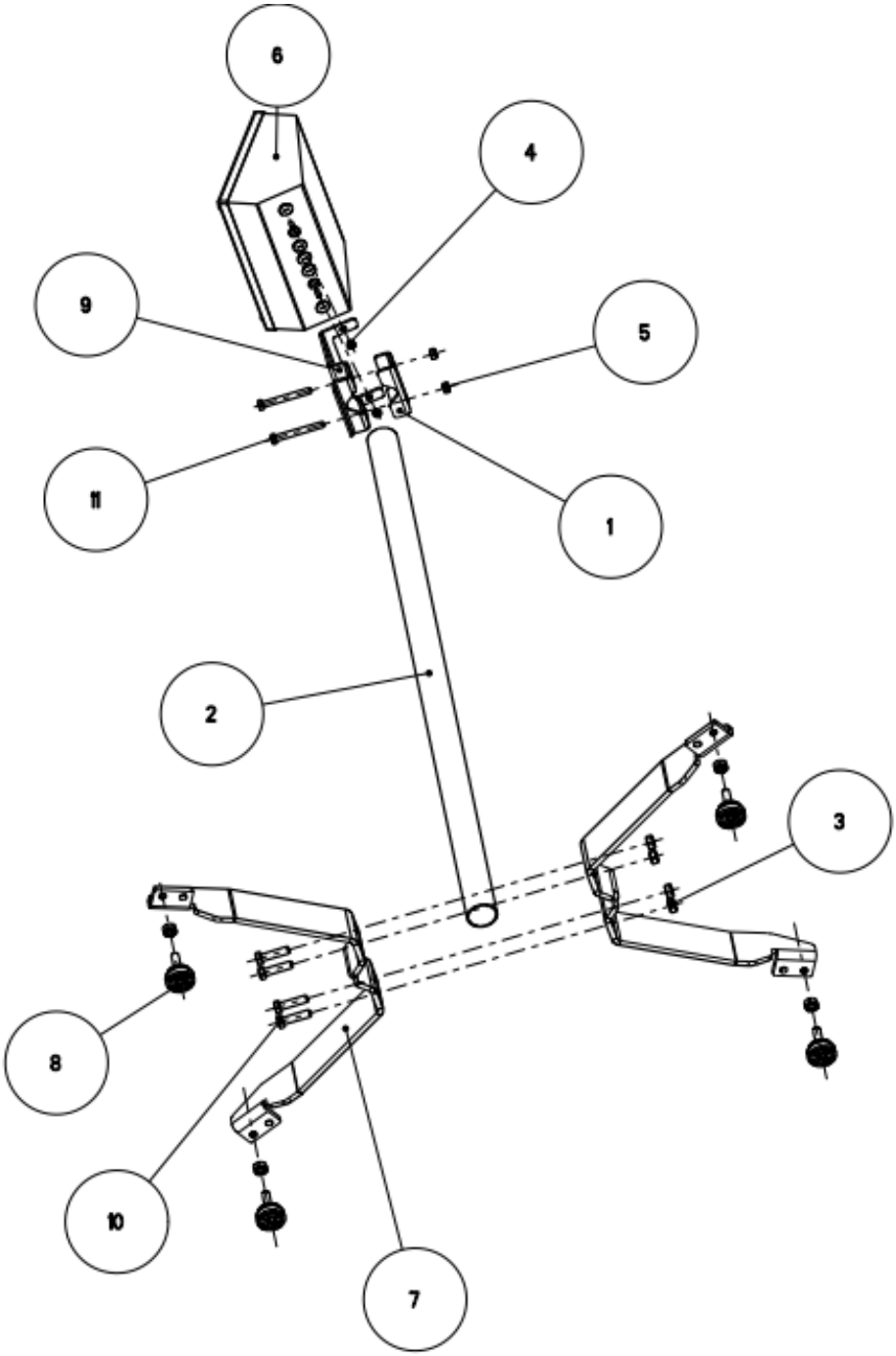


FIG.1

2.2 ASSEMBLING PBI+PBICL…+PBICLST+DFWLI (FIG.2)

Components:

1. Bench Scale
2. Support
3. n.4 VTC M6X16 inox (screw)
4. n.1 column PBICL350/ PBICL500/ PBICL700
5. n.2 VTC M3x5 inox (screw)
6. n.1 13PBICLST indicator bracket
7. n.2 M6 exagonal nuts
8. DFWLI indicator

Please note that the M6 hex nuts (part 7) are supplied with the DFWLI. Remove the DFWLI wall brackets and use nuts for connection to 13PBICLST.

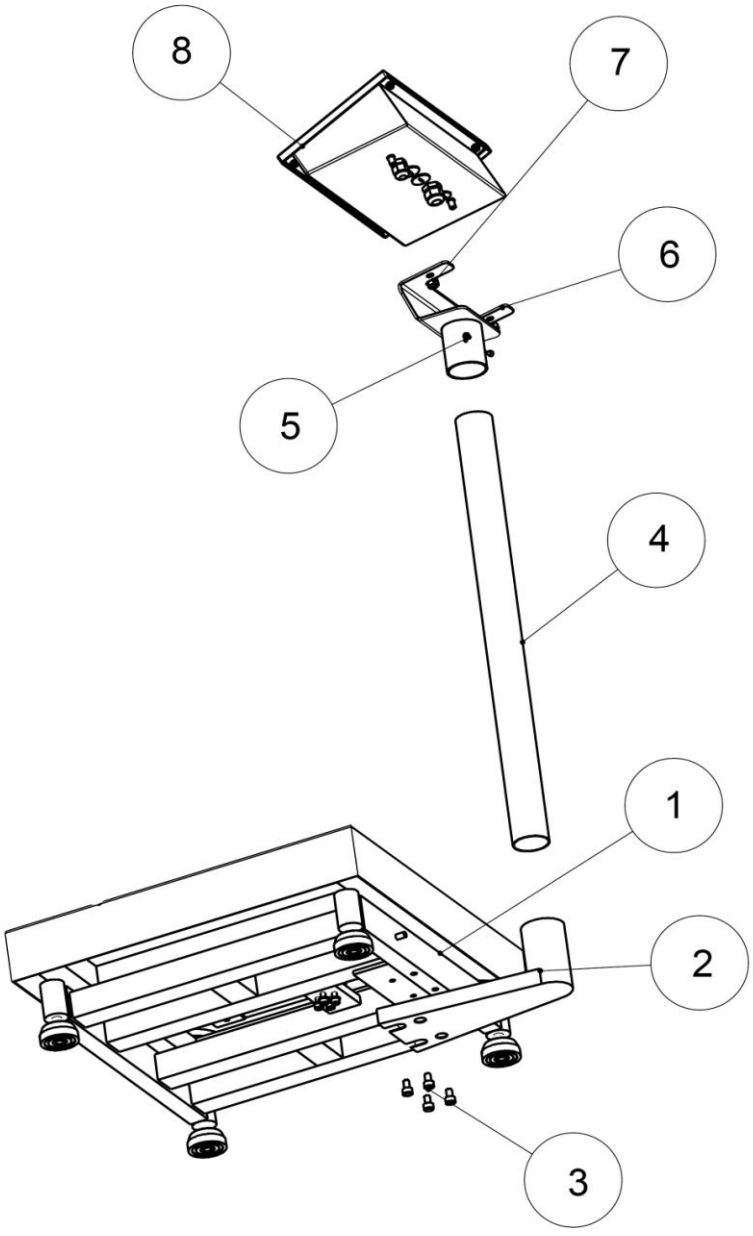


Fig.2

2.3 ASSEMBLING PB+PBCL…+PBCLST+DFWLI (WALL-E) (FIG.3)

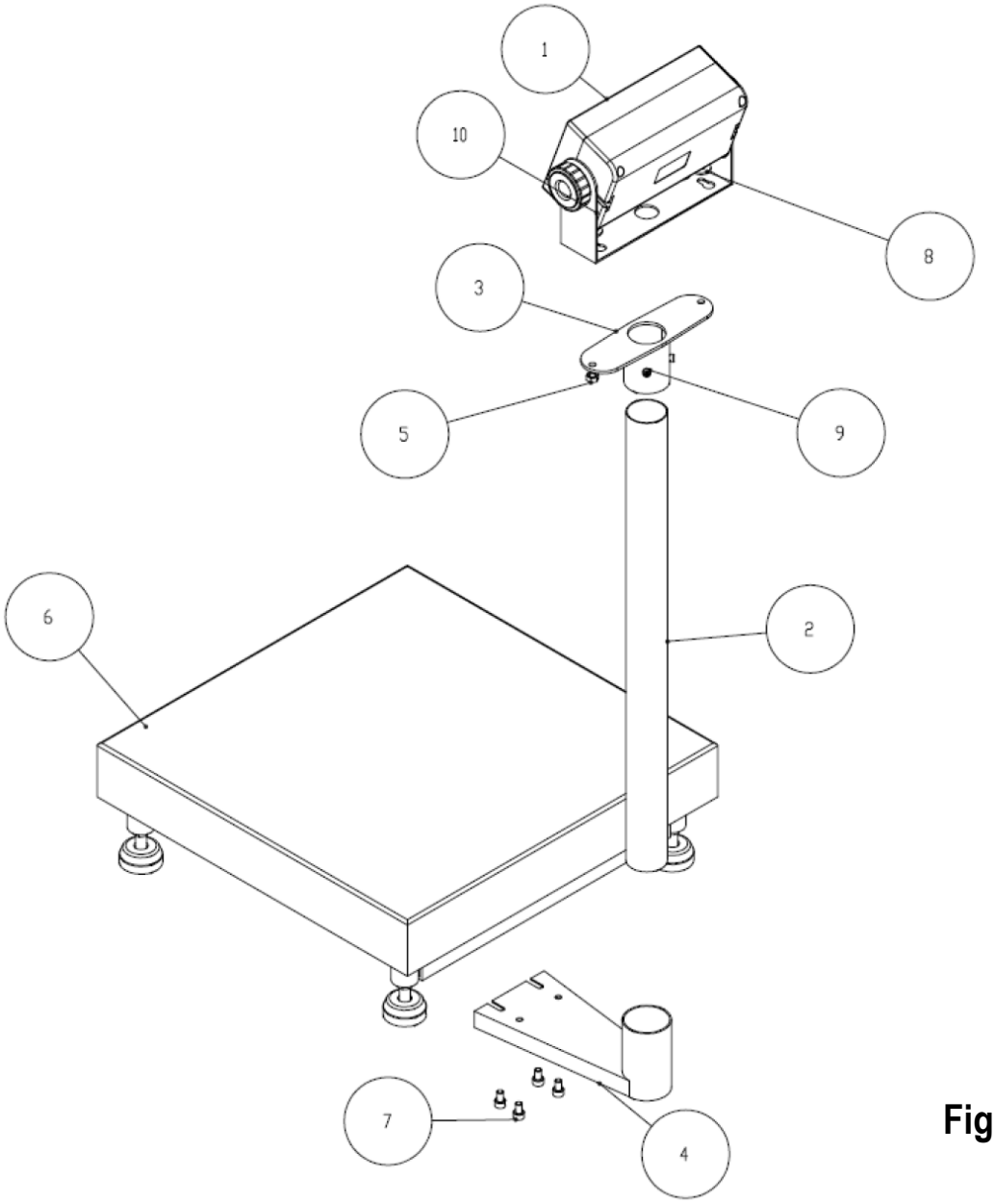


Fig.3

n.	q.ty	description
1	1	DFWL Indicatore
2	1	Stainless steel column
3	1	DFWL holder
4	1	Foot
5	2	M6x1 hexagonal nut
6	1	Platform
7	4	M6x12 screws
8	2	6.4x18 washer
9	2	M4x6 screw
10	2	M6x12 screw

3. MAINTENANCE AND REPAIRS

TO OBTAIN THE BEST PERFORMANCE

- One should keep the platform clean. If dirt and dust accumulate on the platform one should clean it with a damp cloth or with the common cleaning products (**do not use SOLVENTS and ACIDS**)

- Avoid platform collisions because this could cause serious damages.

BREAKDOWNS AND OVERLOADS

If you think the platform is broken or damaged disconnect it in a permanent way. Do this if the platform:

- appears to be damaged.

- does not work.

- has been loaded more than its tolerable limits (which could happen during the transportation or at time of storage).

4. TRANSPORTING THE PLATFORM

To pack the platform follow the procedure below:

a) turn off the instrument.

b) disconnect the platform's instrument.

c) Reposition the locking catch for the transportation.

d) Pack it like when it was received.

5. DRAWINGS

5.1 DIMENSIONS

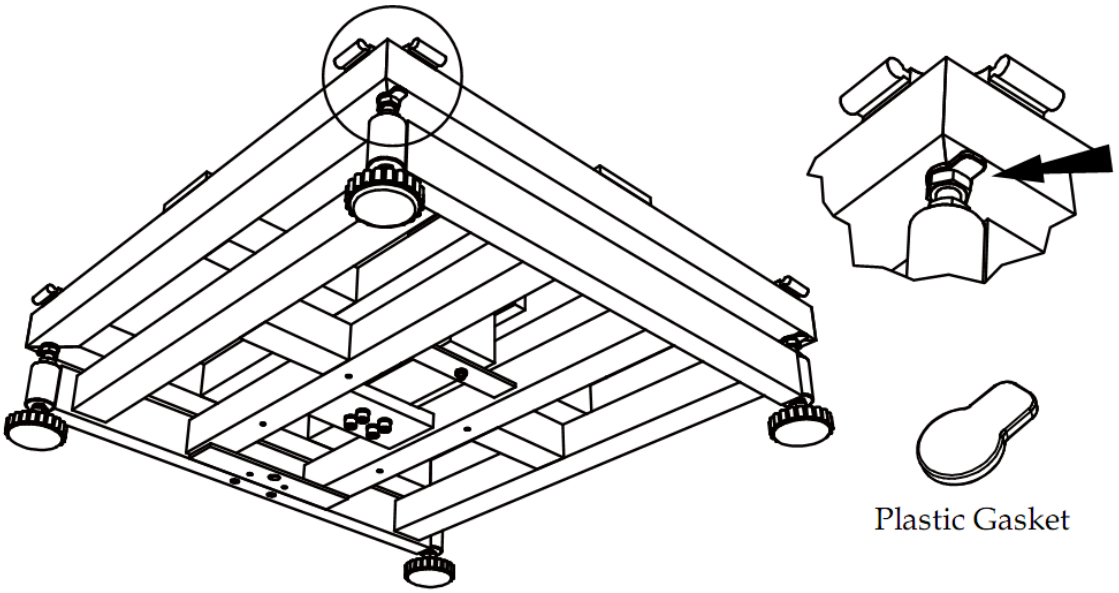
FIG.2

5.2 TABLE OF PB SERIES PLATFORM

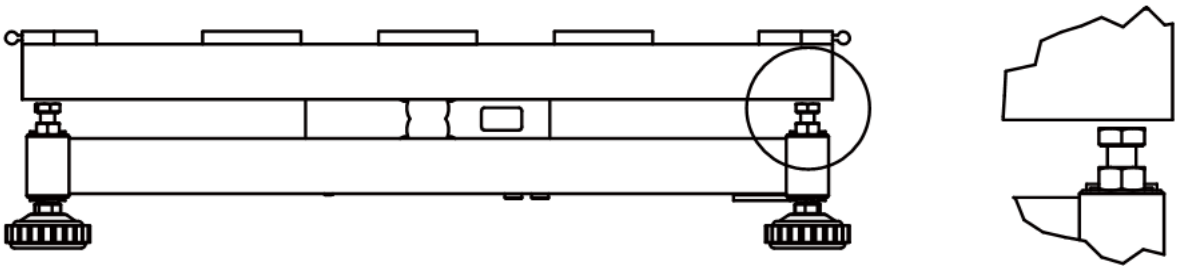
PLATFORM MODEL	MAX LOAD kg	DIMENSION mm		
		A	B	C
PBT	6 / 15 / 30	300	300	130
PBQ	30 / 60 / 150	400	400	140
PBX	60 / 150 / 300	600	600	150
PBE	300 / 600	800	800	165

N.B. All dimensions can be changed without notice.

5.3 INSTALLATION



To protect the platform during the transport, 4 plastic gaskets are installed above the limiting bolt.



Before using the scale, remove the 4 plastic gaskets.

6. PLATFORM SHIELDED CABLE AND CONNECTOR

PBT-PBQ-PBX

4-WIRE LOAD CELL

CABLE	CONNECTOR 5-PIN (SCALEHOUSE INDICATOR)	CONNECTOR 7-PIN (DINI ARGEO INDICATOR)	MEANING
Red	5	1, 4	EXCITATION +
Black	4	2, 3	EXCITATION -
Green	1	6	SIGNAL +
White	2	5	SIGNAL -
Transparent			EARTH BRAIDING

6-WIRE LOAD CELL

CABLE	CONNECTOR 5-PIN (SCALEHOUSE INDICATOR)	CONNECTOR 7-PIN (DINI ARGEO INDICATOR)	MEANING
Red	5	1	EXCITATION +
Black	4	2	EXCITATION -
Green	1	6	SIGNAL +
White	2	5	SIGNAL –
Blu	5	4	SENSE +
Brown/Yellow	4	3	SENSE -
Transparent			EARTH BRAIDING

PBE

4-WIRE LOAD CELL

CABLE	CONNECTOR 5-PIN (SCALEHOUSE INDICATOR)	CONNECTOR 7-PIN (DINI ARGEO INDICATOR)	MEANING
Red	5	1, 4	EXCITATION +
Yellow	4	2, 3	EXCITATION -
Blue	1	6	SIGNAL +
White	2	5	SIGNAL -
Transparent			EARTH BRAIDING

6-WIRE LOAD CELL

CABLE	CONNECTOR 5-PIN (SCALEHOUSE INDICATOR)	CONNECTOR 7-PIN (DINI ARGEO INDICATOR)	MEANING
Red	5	1	EXCITATION +
Yellow	4	2	EXCITATION -
Blue	1	6	SIGNAL +
White	2	5	SIGNAL –
Brown	5	4	SENSE +
Black	4	3	SENSE -
Transparent			EARTH BRAIDING

WARRANTY

Scale House products are guaranteed for a period of twelve months from delivery, excluding the parts classified as expendable materials such as mechanical printing heads, batteries, electric motors and wheels. The warranty for these expendable materials is three months. The warranty refers to breakdowns resulting from any construction defect or material defect of the product supplied and covers the cost of labor and spare parts. The product must be returned to the Seller address in its original packaging with shipping paid by the sender. The warranty does not apply to breakdowns due to improper use or non-observance of the operating instructions, electrical phenomenon, unauthorized repair attempt, connection to other equipment or removal of any product identification elements (serial number, label, etc.). This warranty does not provide for any compensation for damages, direct or indirect, incurred by the user due to complete or partial failure of instruments, even during the warranty period. The warranty for the load cells excludes the damages caused by knocks and overloads.

AUTHORIZED SERVICE CENTER STAMP